

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled)

Claim 2 (previously presented): A bioconversion process to produce 1,3-propanediol comprising contacting, under suitable conditions, glycerol or dihydroxyacetone with a single recombinant microorganism having at least one exogenous gene from *Klebsiella* or *Citrobacter* expressing a glycerol dehydratase enzyme, the microorganism selected from the group consisting of members of the genera *Aspergillus*, *Saccharomyces*, *Zygosaccharomyces*, *Pichia*, *Kluyveromyces*, *Candida*, *Hansenula*, *Debaryomyces*, *Mucor*, *Torulopsis*, *Methylobacter*, *Bacillus*, *Streptomyces*, and *Pseudomonas*.

Claims 3-5 (canceled)

Claim 6 (currently amended): The process of Claim 2 wherein the microorganism is transformed with at least one exogenous DNA fragment encoding dhaB1, dhaB2, and dhaB3 and/or dhaT.

- (a) dhaB1, dhaB2, and dhaB3; or
- (b) dhaB1, dhaB2, dhaB3, and dhaT.

Claims 7-30 (canceled)

Claim 31 (previously presented): A recombinant eukaryote microorganism selected from the group consisting of yeast and filamentous fungi, and having at least one exogenous gene from *Klebsiella* or *Citrobacter* expressing a glycerol dehydratase enzyme.

Claims 32-34 (canceled)